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(54) Title: NEW METHOD

(57) Abstract: The present invention is related to a new method for determining the presence of genetic element(s), such as nucleotide repeat(s), or marker(s) for microbial typing, in a nucleic acid sample. The method is based on performing a ligation reaction where after a by-product of the ligation is detected and used to determine the number of nucleotide repeat units in a nucleic acid sample possibly comprising a nucleotide repeat. The invention is also related to kits for performing the method of the present invention and compositions comprising components for performing the present invention.

